

## Product datasheet for **VC101767**

### **E1 (NC\_001356) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	E1 (NC_001356) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>The Viral ORF clone VC101767 represents NCBI reference of NP\_597739 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGACAACAAGGGAACAGAGAACGATTGGTTCCTTGTGAAGCCACAGACTGTGAGGAGACCTGG  
AGGAAACCTCCTTGGGAGATCTGGACAACGTATCCTGCGTGAGCGATCTTCAGACCTCCTGGATGAGGC  
ACCGCAGAGCCAGGGCAACTCTCTCGAGCTTTCCACAAGCAGGAGTCACTGGAGTCTGAGCAAGAGCTC  
AATGCCCTGAAAAGGAAATTGCTTTATTCACCCAGGCAAGGAGTGTGATGAAACGGATATTGCTAGTA  
TTTCTCCAAGACTCGAAACCATTTCCATCACGAAACAGGACAAGAAGCGGTATCGACGCCAGCTGTTCTC  
TCAGGATGACTCCGGCTCGAGCTGTCCCTTCTCAGGATGAAACAGAAAACATCGATGAGTCTACCCAA  
GTGGATCAGCAGCAGAAGGAACACACCGGTGAGGTGGGAGCCGAGGTGCAATATCCTGAAAGCGAGCA  
ACATCAGAGCAGCTCTCCTTTCCGGTTTAAAGATACGGCTGGTGTGCCTTCACAGATCTGACGAGAAG  
CTACAAAAGCAACAAGACCTGTTGTGGAGATTGGGTTCTGGCAGTATGGGGTGTCCGGGAGAATCTGATT  
GACAGTGTCAAAGAACTCCTGCAGACACATTGCGTCTATATCCAACCTGGAGCATGCCGTTACTGAGAAAA  
ACAGATTCTGTTCTGTGCGGTTCAAGGCCAAAAGTCCCGGGAGACGGTTATCAAGCTCATTAC  
TACCATCTCCAGTAGATGCCTCTTATCCTCTCAGAACCCAAAATCCAGGAGCGTGGCCGCCGCC  
CTTTCTGGTATAAGCGCTCTATGAGCTCAACCGTTTTCACTTGGGGTACAACACTTGAGTGGATTGCAC  
AACAGACATTGATAAATCAACAATTGGACTCAGAGAGTCCGTTTGAACCTGTGAAGATGGTGAATGGGC  
CTACGATAACGGTCATACGGAGGAGTGAAGATTGCCTACTATTACGCAGTCTGGCTGACGAAGATGAA  
AACGCCCGCGCATTCTGAGCAGCAACTCTCAGCGAAAATGTGAAGGATTGTGCCAGATGGTCCGAC  
ACTACCTTAGGGCTGAGATGGCACAAATGTCAATGTCCGAGTGGATATTCCGAAAATTGGATAATGTGGA  
GGGCAGCGGGAAGTGAAGGAGATCGTTAGATTCTTGCCTTCCAAGAAGTGGAGTTCATTAGCTTCATG  
ATCGCATTCAAAGACCTGCTGTGCGGCAAGCCTAAAAAGAACTGTCTCCTATTTTTCGGCCCTCCTAA  
CGGAAAGTCTATGTTCTGTACGCTCTGTTGAAGTTGCTGGGCGGTAAGTGATCTCCTACTGCAACTC  
CAAGAGCCAAATTTGGCTGCAGCCACTTGACAGTGAAGATCGGTCTGTTGGACGACGCAACCAAGCCA  
TGCTGGGACTATATGGATATACATGCGGAACGCCCTTGACGGAATACCATATGTATCGATCTCAAGC  
ATAGAGCACCCAGCAGATCAAGTGTCCACCTCTGCTGATCACCTCCAATATTGACGTCAAATCCGATAC  
GTGCTGGATGTATCTCCATAGCAGGATTAGCGCTTTTAAAGTTCGCACATGAGTCCCATTTAAAGACAAC  
GGCGATCCAGGGTTAGTCTGACAGATGAAAATTGGAAGAGCTTTTTTGGAGATTCTGGCAGCAACTGG  
AGCTGTCCGACCAGGAAGACGAGGGCAACGATGGTAAGCCCCAGCAGTCACTGAGACTTACAGCCCGGGC  
TGCAAATGAGCCGATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101767 representing NP\_597739

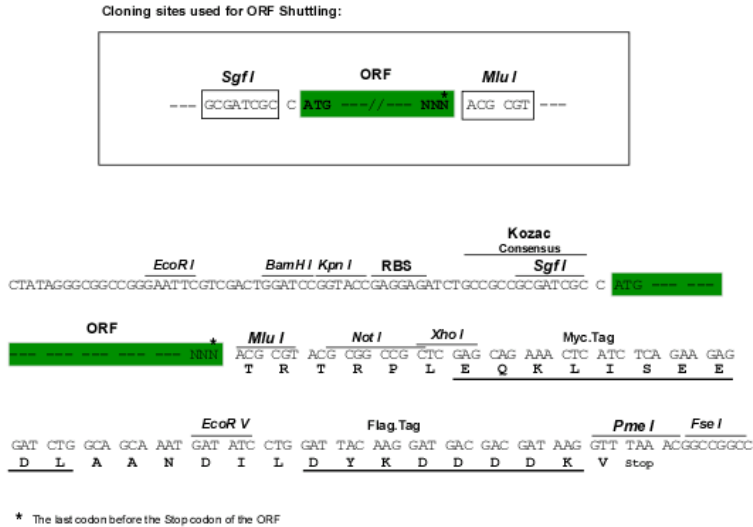
Red=Cloning sites Green=Tags

MADNKGTEWDFLVEATDCEETLEETSLGDLDNVSCVSDLSDLLDEAPQSQNSLEL FHKQESLESEQEL  
NALKRLLYSPQARSADETDIASISPRLETISITKQDKKRYRRQLFSQDDSGLELSLLQDETENIDESTQ  
VDQQQKEHTGEVGAAGVNILKASNIRAALLSRFKDTAGVSFTDL TRSYKSNKTCGWDWLVAVWGVRENLI  
DSVKELLQTHCVYIQLEHAVTEKNRFLFLLVRFKAQKSRETVIKLIITLILPVDASYILSEPPKSRVAAA  
LFWYKRMSSTVFTWGTLEWIAQQLINHQLDSESPFELCKMVQWAYDNGHTEECKIAYYYAVLADEDE  
NARAFLLSSNSQAKYVKDCAQMVRHYLRAEMAQMSMSEWIFRKLDNVEGSGNWKEIVRFLRFQEVFISFM  
IAFKDLLCGKPKKNCLLIFGPPNTGKSMFCTSLKLLGGKVISYCNKSQFWLQPLADAKIGLLDDATKP  
CWDYMDIYMRNALDGNTICIDLKRAPQQIKPPLLITSNIDVKS DTCWMYLHSRISAFKFAHEFFPKDN  
GDPGFSLTDENWKSFFERFWQLELSDQEDEGNDGKPPQSLRLTARAANEPI

**TR**TRRLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC\_001356

ORF Size: 1836 bp

OTI Disclaimer: The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK tag.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NC\\_001356.1](#), [NP\\_597739](#)

RefSeq ORF: 1836 bp

Locus ID: 1724533

MW: 69.9 kDa